

**THERMALLY STABLE PERFLUOROPOLYETHER LUBRICANT  
FOR RECORDING MEDIA**

**Abstract of the Invention**

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The invention provides a lubricant useful in magnetic recording media and optical recording media comprising a functionalized perfluoropolyether comprising multiple acrylate endgroups. More specifically, the lubricant of the invention is a functionalized perfluoropolyether comprising at least about two acrylate groups. In one embodiment, the lubricant of the invention is a functionalized perfluoropolyether comprising a perfluoropolyether tetraacrylate. A magnetic recording medium is also provided comprising a thin metal magnetic recording layer, said layer having a coating of the functionalized perfluoropolyether lubricant comprising at least about three acrylate end groups. An optical recording medium including the functionalized perfluoropolyether lubricant includes at least one magneto-optical layer disposed between two protective layers further disposed between two substrate layers having interior and exterior surfaces, the exterior surface of at least one substrate layer bearing thereon a functionalized perfluoropolyether lubricant comprising a perfluoropolyether tetraacrylate.

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